

COL (Dr.) Robert Vandre  
Research Area Director for Combat Casualty Care Research at the U.S. Army Medical  
Research and Materiel Command

COL (Dr.) Robert Vandre was commissioned through the Reserve Officers' Training Corps at the University of California Los Angeles in 1977 where he received a bachelor's and master's in physics as well as a doctorate in dental surgery (DDS). While earning his degrees, COL Vandre was also contributing to the nation's defense by working eight years as a research associate for the Aerospac Corp. performing research on weapons effects on semiconductors, electromagnetic pulse effects on satellites, and spacecraft charging.

During his Army service, he spent five years as a clinician, and the last 25 years in research. He was published on subjects varying from EMP and radiation effects on semiconductors to, more recently, digital dental radiography and telemedicine. For two years he managed the Army's telemedicine program in Bosnia as well as the Army's teledentistry program, which had over 60 functional clinical nodes. He is personally responsible for two products that have been fielded to the Army -- the Hand-Held Dental X-ray and the Filmless Dental Imager (developed in his lab and now sold commercially as the Dexis dental imaging system).



Currently COL Vandre serves as the Research Area Director for Combat Casualty Care Research at the U.S. Army Medical Research and Materiel Command. His most recent accomplishment in his assignment is the fielding of the Armed Forces Institute of Regenerative Medicine, which is a virtual collaboration of the top scientists in the field working with the Army to drastically improve the quality of life of wounded Soldiers. He sits as the Chairman of the Armed Services Biomedical Research Evaluation & Management (ASBREM) Committee's Joint technical Coordinating Group (JTCG) on Combat Casualty Care. The group manages and coordinates all DOD Combat Casualty Care research. He is also the U.S. representative to the Technical Cooperation Program (TTCP) Technical Panel HUM-TP12 (Combat Casualty Care) which is an international Combat Casualty Care research coordination committee representing the United States, Canada, Great Britain, Australia and New Zealand.